

DRAFTING WORK DONE IN THE STATE ENGINEER'S OFFICE
DURING THE SUMMER OF 1947

During the summer months, a considerable amount of office work was done by two draftsmen, Mr. B. W. Andersen and Mr. Stanley L. Allen, Jr. A large wall chart was prepared as an exhibit before the court showing the chronological order of the historical events connected with the development of the Jordan River canals. The date is shown on which the Turner Dam was built, and on which each of the several canals was commenced and the date on which such canals were completed. It was thought that such a chart, kept on the wall for the court during the discussions in the Tamar-Anderson suit to be tried later, would be of great value to the court.

A large wall chart was also prepared by Mr. Allen showing the outflow from Utah Lake from 1893 to 1945, both inclusive. Utah Lake levels are also shown on this chart. A table showing source data for this hydrograph is given on page 253 of Mr. Borgquist's report.

Hydrographs were plotted showing the daily discharge of each of the several canals and of the flow of Jordan River from 1901 up to the present time. The data from which these canal hydrographs were plotted was furnished to the State Engineer's office by Mr. William A. Knight of the City Engineer's office. Mr. Knight has kept a record book for many years in which he shows the discharge of these canals as occurring during his own regime from 1917 to 1931, inclusive, as water commissioner on the Jordan River canals and also for the term from 1901 to 1917 covered by Mr. J. Fewson Smith, water commissioner.

Photostat copies of these reports were made from Mr. Knight's records and are kept on file in the office of the State Engineer as an exhibit before the court. These records are authentic as will be testified by Mr. Knight and are the only records available of the flow of these canals for the early period covered. Since 1931, records of discharge in the Jordan River canals have been obtained from the water commissioners' reports. A table showing the sources from which data for hydrographs has been obtained is given on page 254 of Mr. Borgquist's report. This table has been compiled by Mr. Andersen.

In addition to the hydrographs, compilation has been made showing the total number of acre feet used by the several canals during the irrigation season for the entire period from 1901 to the present. A table showing this total number of acre feet used by each canal is given, as compiled by Mr. Andersen, on page 255 of the Borgquist report.

In addition to the records obtained and plotted on the Jordan River canals, data has been collected from the early reports of Mr. T. F. Wentz, water commissioner on the Provo River, for the period from 1921 to 1946, both inclusive, on six of the main canals diverting from Provo River below the mouth of the canyon.